

AGENCY PROFILE

Program Year 2008

North Coast Energy Services

Service Area	Lake, Marin, Mendocino, Napa, Solano, Sonoma, and Yolo Counties
Total Low Income Households	118,173

See Footnote #1

Households Served and Average Benefit

Program Component	Service Area		Statewide
	Households Served	Average Benefit per Household	Average Benefit per Household
ECIP EHCS Cooling	27	\$561	\$861
ECIP EHCS Heating	125	\$1,929	\$1,208
ECIP Fast Track	3100	\$310	\$351
ECIP WPO	639	\$297	\$322
HEAP Gas & Electric	4318	\$222	\$238
HEAP WPO	315	\$301	\$299
Weatherization	670	\$1,470	\$1,446

See Footnote #2

Household Income

	Service Area			Statewide		
	Under 100%	101 - 125%	Over 125%	Under 100%	101 - 125%	Over 125%
LIHEAP Eligible Households						
Census Data	35%	17%	48%	39%	16%	45%

Program Component	Service Area				
	Under 75%	75% to 100%	101% to 125%	126% to 150%	Over 150%
ECIP EHCS & WPO	19%	13%	43%	14%	12%
ECIP Fast Track	44%	15%	20%	10%	12%
HEAP Gas & Electric	21%	14%	37%	13%	15%
HEAP WPO	5%	5%	32%	17%	41%
Weatherization	17%	12%	32%	16%	22%

Program Component	Statewide				
	Under 75%	75% to 100%	101% to 125%	126% to 150%	Over 150%
ECIP EHCS & WPO	28%	17%	24%	16%	15%
ECIP Fast Track	49%	16%	18%	8%	9%
HEAP Gas & Electric	30%	16%	33%	12%	10%
HEAP WPO	28%	14%	28%	13%	17%
Weatherization	28%	17%	25%	13%	17%

See Footnote #3

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Vulnerable Populations

LIHEAP Eligible Households	Service Area			Statewide		
	Elderly	Disabled	Children Under 5	Elderly	Disabled	Children Under 5
Census Data	41%	41%	8%	33%	37%	8%

Program Component	Service Area	Statewide
	VP HHs to Total HHs	VP HHs to Total HHs
ECIP EHCS & WPO	94%	77%
ECIP Fast Track	94%	81%
HEAP Gas & Electric	81%	76%
HEAP WPO	95%	82%
Weatherization	93%	77%

See Footnote #4

Energy Burden

National Average	15%
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Program Component	Service Area Average Energy Burden
ECIP Fast Track	25%
HEAP Gas & Electric	14%
Weatherization	10%

See Footnote #5

Primary Heating Fuel Type

	Service Area					
	Natural Gas	Electricity	Propane	Fuel Oil, Kerosene	Wood	Other
Census Data	58%	27%	8%	1%	5%	1%

Program Component	Service Area					
	Natural Gas	Electricity	Propane	Fuel Oil, Kerosene	Wood	Other
Weatherization	44%	22%	17%	10%	6%	1%

See Footnote #6

ECIP/HEAP Expenditures

Program Component	Service Area	Statewide Range
	Actual Expenditures	Actual Expenditures
ECIP EHCS	15%	1% - 30%
ECIP Fast Track	35%	7% - 42%
ECIP WPO	12%	1% - 21%
HEAP Gas/Electric	32%	27% - 67%
HEAP WPO	7%	1% - 21%

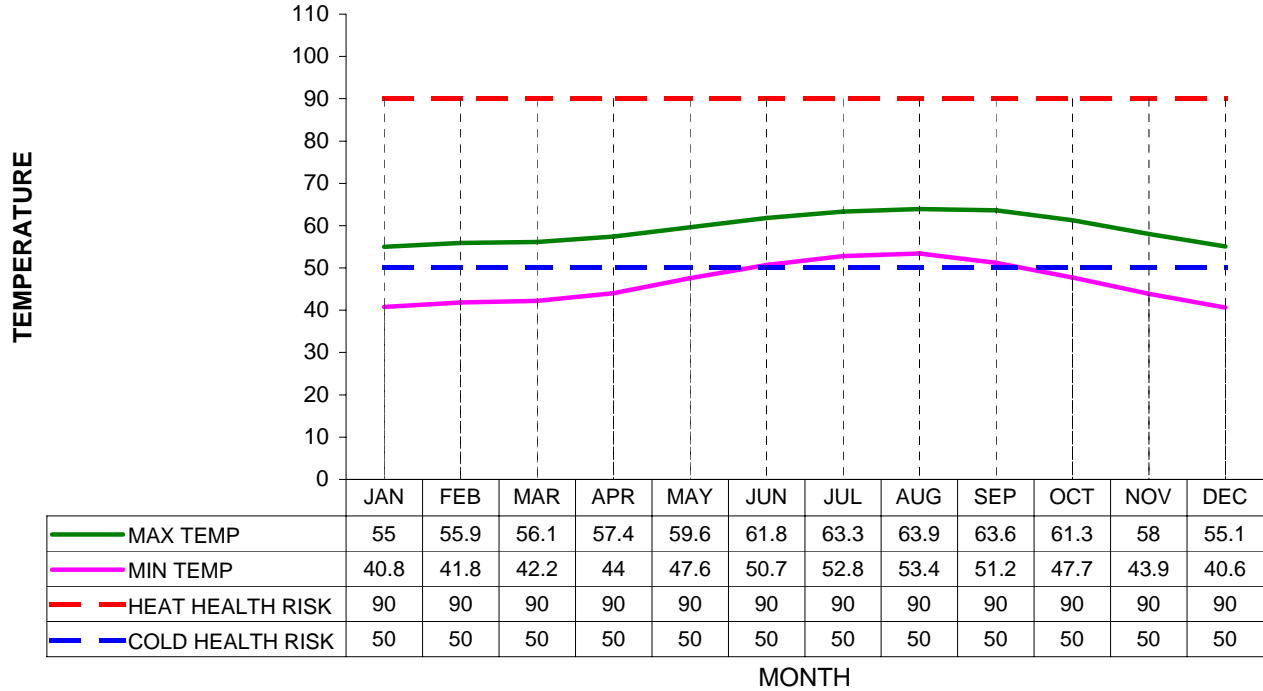
See Footnote #7

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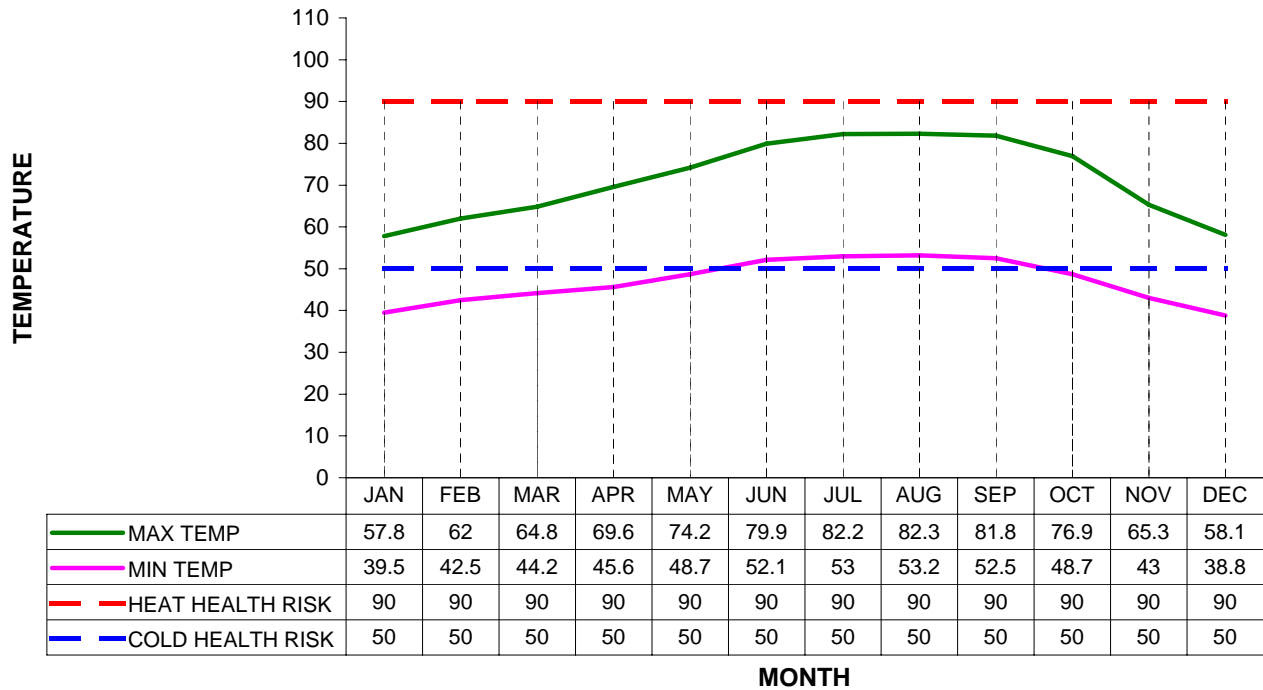
Program Year 2008

Climate Data

REPRESENTATIVE CEC CLIMATE ZONE 1



REPRESENTATIVE CEC CLIMATE ZONE 2

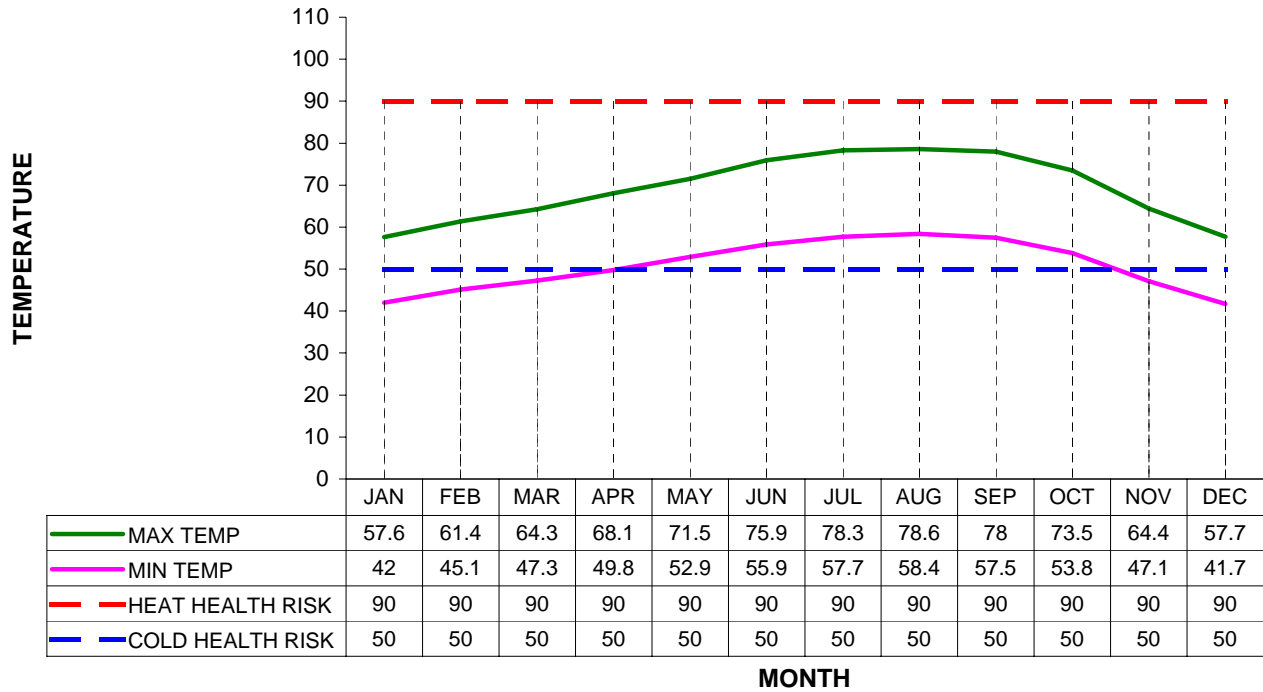


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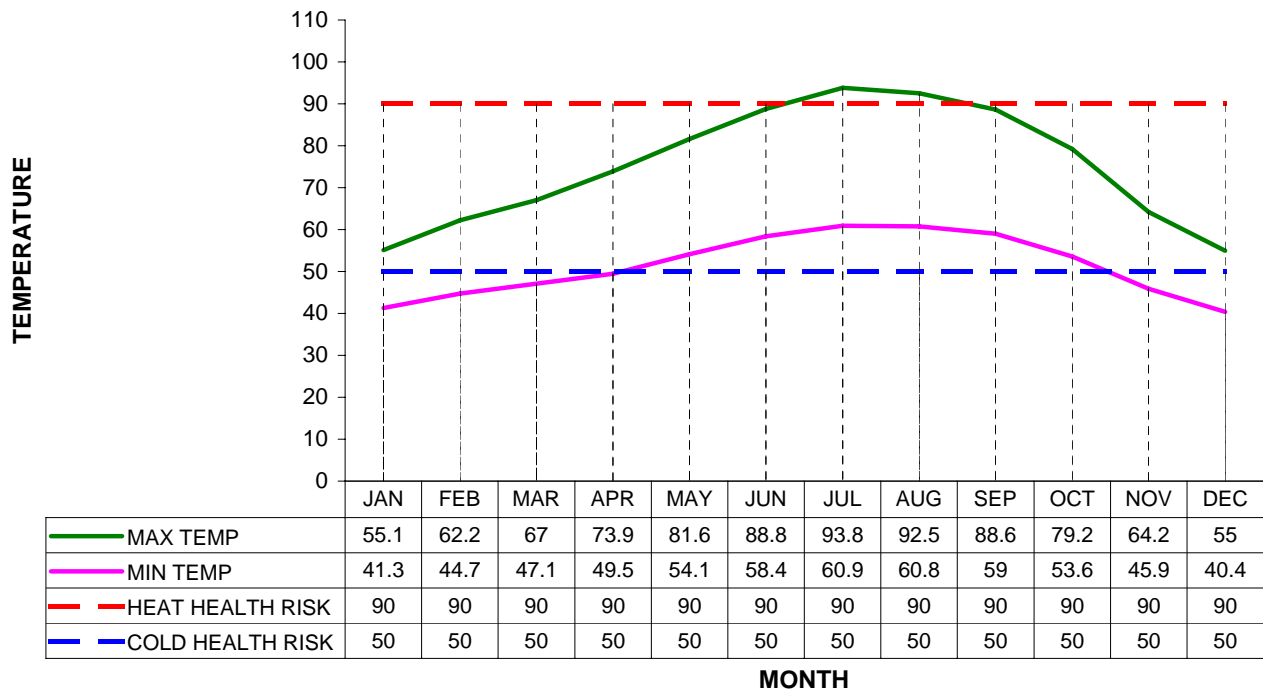
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Climate Data

REPRESENTATIVE CEC CLIMATE ZONE 3



REPRESENTATIVE CEC CLIMATE ZONE 12

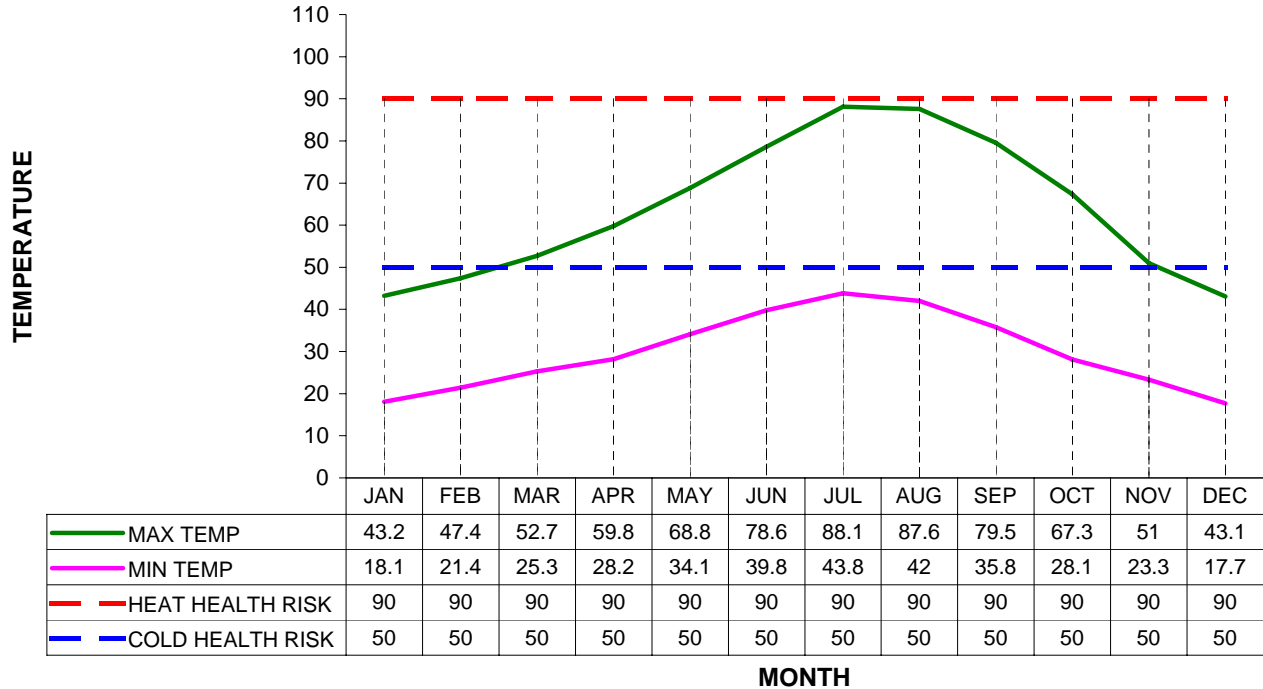


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Program Year 2008

Climate Data

REPRESENTATIVE CEC CLIMATE ZONE 16



Heating/Cooling Seasons

Zone	Heating Months	Cooling Months
1	October - May	n/a
2	October - May	n/a
3	November - April	n/a
12	November - April	July - August
16	January - December	n/a

CEC Climate Zone Descriptions

Zone	Description
1	North coastal
2	Northern coastal valley
3	San Francisco bay area
12	Northern inland valley - moderate
16	Mountain

See Footnote #8

California Energy Commission (CEC) Building Climate Zones by City

City	Climate Zone	City	Climate Zone
Lake County		Lower Lake	2
Barkerville	2	Lucerne	2
Bartlett Springs	2	Mayacmas Mountains	2
Clearlake	2	Middletown	2

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Clearlake Highlands	2	Mount Konocti	2
Clearlake Oaks	2	Nice	2
Clearlake Park	2	Upper Lake	2
Cobb	2	Marin County	
Finley	2	Abbotts Lagoon	3
Glenhaven	2	Angel Island	3
Hobergs	2	Belvedere	3
Kelseyville	2	Black Point	2
Lake Pillsbury	2	Bodega Bay	3
Lakeport	2	Bolinas	3

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Climate Data

California Energy Commission (CEC) Building Climate Zones by City - continued

City	Climate Zone	City	Climate Zone
Marin County		Comptche	1
Burdell	2	Covelo	2
Corte Madera	2	Cummings	2
Dillon Beach	3	Dos Rios	2
Drakes Bay	3	Echo	2
Drakes Estero	3	Elk	1
Fairfax	2	Etsel Ridge	16
Fallon	3	Fort Bragg	1
Forest Knolls	2	Gualala	1
Fort Baker	3	Gualala River (South Fork)	1
Golden Gate	3	Hales Grove	1
Gulf of the Farallones	3	Hearst	2
Hamilton A.F.B.	2	Hopland	2
Inverness	3	Inglennook	1
Kentfield	2	Lake Mendocino	2
Larkspur	2	Leech Lake Mountain	16
Marin City	3	Leggett	1
Marshall	3	Little River	1
Mill Valley	3	Longvale	2
Nicasio	2	Manchester	1
Novato	2	Mendocino	1
Olema	3	Mina	2
Petaluma River	2	Nashmead	2
Point Bonita	3	Navarro	2
Point Reyes	3	Northspur	2
Point Reyes Station	3	Philo	2
Ross	2	Piercy	2
San Anselmo	2	Pieta	2
San Quentin	2	Point Arena	1
San Rafael	2	Potter Valley	2
Santa Venetia	2	Ranch	1
Sausalito	3	Redwood Valley	2
Stinson Beach	3	Reynolds	2
Tamalpais-Homestead Valley	3	Ridge	2
Tiburon	3	Rockport	1
Tomales	3	Sanel Mountain	2
Tomales Bay	3	Spyrock	2
Woodacre	2	Talmage	2
Mendocino County		Tatu	2
Albion	1	Ukiah	2
Anchor Bay	1	Westport	1
Arnold	2	Williams Peak	2
Bell Springs	2	Willits	2
Black Butte River	16	Woodman	2
Boonville	2	Yorkville	2
Branscomb	1	Napa County	
Bruhel Point	1	American Canyon	2
Burbeck	2	Angwin	2
Cahto Peak	2	Berryessa Lake	2
Calpella	2	Berryessa Peak	2/12
Caspar	1	Calistoga	2
Cleone	1	Duttons Landing	2

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Program Year 2008

Climate Data

California Energy Commission (CEC) Building Climate Zones by City - continued

City	Climate Zone	City	Climate Zone
Napa County		Bloomfield	2
Knoxville	2	Bodega	1
Lake Berryessa	2	Bodega Bay	1
Lake Henessey	2	Bodega Head	1
Markley Cove	2	Boyes Hot Springs	2
Mount Saint Helena	2	Camp Meeker	2
Napa	2	Cazadero	1
Napa Junction	2	Cloverdale	2
Oakville	2	Cotati	2
Pope Valley	2	Cunningham	2
Rutherford	2	Duncans Mills	1
Saint Helena	2	El Verano	2
Sanitarium	2	Fairville	2
Yountville	2	Forestville	2
Solano County		Fort Ross	1
Allendale	12	Freestone	2
Benicia	12	Fulton	2
Birds Landing	12	Geyserville	2
Collinsville	12	Glen Ellen	2
Cordelia	12	Graton	2
Deep Water Ship Channel	12	Guerneville	2
Denverton	12	Hacienda	2
Dixon	12	Healdsburg	2
Dozler	12	Jenner	1
Elmira	12	Jimtown	2
Fairfield	12	Kenwood	2
Gillespie Field	12	Lakeville	2
Grizzly Bay	12	Larksfield-Wikiup	2
Honker Bay	12	Lucas Vly-Marinwood	2
Liberty Farms	12	Lytton	2
Libfarm	12	Monte Rio	2
Mare Island Naval Facility	3	Mount Saint Helena	2
Montezuma	12	Occidental	2
Montezuma Slough	12	Ocean View	1
Monticello Dam 2	12	Penngrove	2
Oxford	12	Petaluma	2
Putah South Canal	12	Petaluma River	2
Rio Vista	12	Plantation	1
Rockville	12	Rio Nido	2
Suisun Bay	12	Rohnert Park	2
Suisun City	12	Roseland	2
Travis A. F.B.	12	Santa Rosa	2
Tremont	12	Schellville	2
U.S.N. Facility, Vallejo	3	Sebastopol	2
Vacaville	12	Skaggs Springs	2
Vallejo	3	Soda Springs	1
Yolo Bypass	12	Sonoma	2
Sonoma County		Sonoma Mountain	2
Annapolis	1	Stewarts Point	1
Asti	2	Two Rock	2
Big Bend	2	Valley Ford	2
Big Mountains	2	Windsor	2

AGENCY PROFILE

Program Year 2008

Climate Data

California Energy Commission (CEC) Building Climate Zones by City - continued

City	Climate Zone	City	Climate Zone
Yolo County		Deep Water Ship Channel	12
Berryessa Peak	2/12	Dunnigan	12
Broderick	12	Esparto	12
Brooks Ranch	12	Guinda	12
Bryte	12	Knights Landing	12
Capay	12	Woodland	12
Clarksburg	12	Yolo	12
Colusa Basin Drainage Canal	12	Yolo Bypass	12
Davis	12	Zamora	12

See Footnote #9

Department of Energy (DOE) Climate Zones by Weather Station

Weather Station	Cooperative Station ID #	Heating Degree Days (65° Base)	Cooling Degree Days (65° base)	DOE Climate Zone
Lake County				
Clearlake 4 SE	41806	3,804	753	4
Lakeport	44701	3,698	793	4
Marin County				
Kentfield	44500	2,567	557	4
San Rafael Civic Center	47880	2,621	451	4
Mendocino County				
Covelo	42081	3,925	684	4
Fort Bragg 5 N	43161	4,266	6	3
Point Arena	47009	4,332	4	3
Potter Valley P	47109	3,429	745	4
Ukiah	49122	3,083	843	4
Willits 1 NE	49684	4,302	193	3
Napa County				
Angwin Pac Union College	40212	3,426	659	4
Calistoga	41312	2,811	819	4
Markley Cove	45360	2,996	1,111	4
Napa State Hospital	46074	2,689	529	4
Saint Helena	47643	2,652	806	4
Solano County				
Fairfield	42934	2,649	975	4
Lake Solano	44712	2,716	1,420	4
Vacaville	49200	2,410	1,498	4
Sonoma County				
Cloverdale	41838	2,639	1,127	4
Fort Ross	43191	4,234	6	3
Graton	43578	3,179	288	4
Healdsburg	43875	2,501	853	4
Petaluma Fire Station	46826	2,741	385	4
Santa Rosa	47965	2,694	526	4
Sonoma	48351	2,647	717	4
Warm Springs DA	49440	2,962	624	4

See Footnote #10

AGENCY PROFILE

Program Year 2008

Climate Data

Department of Energy (DOE) Climate Zones by Weather Station - continued

Weather Station	Cooperative Station ID #	Heating Degree Days (65° Base)	Cooling Degree Days (65° base)	DOE Climate Zone
Yolo County				
Brooks Farnham Ranch	41112	2,815	1,393	4
Davis 2 WSW Exp Farm	42294	2,853	1,127	4
Winters	49742	2,527	1,640	4
Woodland 1 WNW	49781	2,683	1,417	4

Repeat Customers

Program Component	Service Area	Statewide
	Repeat Customers	Repeat Customers
HEAP	18%	20%
Fast Track	5%	10%

See Footnote #11

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Footnotes

1. ***Total Low Income Households***
Source:
 - Census information was provided by the California Department of Finance.
2. ***Households Served and Average Benefit***
 - The average benefit per household for ECIP EHCS and Weatherization was calculated by dividing the total direct program activity by the total households served.
 - The average benefit per household for Fast Track, WPO and HEAP was calculated by dividing the total benefits received by the total households served.Sources:
 - ECIP EHCS, WPO, and Weatherization data was derived from activity and reimbursement reports submitted for Program Year 2005.
 - Fast Track and HEAP data was derived from the CLASS database for Program Year 2005.
3. ***Household Income***
Sources:
 - Census information was provided by the California Department of Finance.
 - ECIP EHCS, WPO, and Weatherization data was derived from activity and reimbursement reports submitted for Program Year 2005.
4. ***Vulnerable Populations***
 - The number of vulnerable population households is not duplicated.Sources:
 - Census information was provided by the California Department of Finance.
 - ECIP EHCS, WPO, and Weatherization data was derived from activity and reimbursement reports submitted for Program Year 2005.
5. ***Energy Burden***

The energy burden is calculated by dividing the total household energy costs by the total household income.

Source:
 - The national average energy burden was derived from the LIHEAP Home Energy Workbook for Fiscal Year 2005, DHHS, May 2007, page i.
 - Weatherization data was derived from activity and reimbursement reports submitted for Program Year 2005.
 - Fast Track and HEAP data was derived from the CLASS database for Program Year 2005.
6. ***Primary Heating Fuel Type***
 - Fuel types represent the types of fuels used as the primary heating source for low-income homes.
 - The other heating fuel type category includes but is not limited to solar, coal and non-existent heating.Source:
 - Census information was provided by the California Department of Finance.
 - Weatherization data was derived from activity and reimbursement reports submitted for Program Year 2006, the first year that fuel types were collected for LIHEAP.

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Footnotes

7. ***ECIP/HEAP Expenditures***
 - The expenditure ratios were calculated by dividing the total expenditures for each program by the sum total of all program expenditures included in this analysis.
 - One standard deviation was used to determine the statewide ranges over a period of five years. For normally distributed data, about 68% of the values are within 1 standard deviation of the average.

Sources:

 - ECIP EHCS, WPO, and Weatherization data was derived from activity and reimbursement reports submitted for Program Years 2002 through 2006.
 - Fast Track and HEAP data was derived from the CLASS database for Program Years 2002 through 2006.
8. ***Representative CEC Climate Zones***
 - Heat and Cold Level 1 is categorized as cautionary.
 - Heat and Cold Level 2 is categorized as extremely cautionary.

Source:

 - Cautionary levels of temperature were obtained from the California Office of Emergency Services.
 - Average monthly maximum and minimum temperatures were derived from the National Oceanic and Atmospheric Administration (NOAA), Monthly Station Normals of Temperature, Precipitation and Heating and Cooling Degree Days 1971-2000, 04 California, February 2002.
9. ***CEC Building Climate Zones by City***

Source:

 - Climate zone data was obtained from the Joint Appendices for the 2005 Building Energy Efficiency Standards for Residential and Nonresidential Buildings, October 2004, Table II.2.
10. ***DOE Climate Zones by Weather Station***
 - Heating and cooling degree days are used to categorize weather stations within a service area into DOE climate zones using a pre-established range of heating and cooling degree days.
 - A degree day is calculated by subtracting the average temperature of the day from the degree day base. If it is a heating degree day, it is the difference below the base. If it is a cooling degree day, it is the difference above the base. The degree days are averaged over a 30-year period.

Source:

 - Weather stations and degree days were obtained from the National Oceanic & Atmospheric Administration (NOAA), Annual Degree Days to Selected Bases, 1971-2000, released 6/20/02.
11. ***Repeat Customers***
 - The rate of repeat customers receiving utility assistance was calculated by dividing the total customers receiving services two or more consecutive program years by the total customers served from Program Years 2004 through 2006.

Source:

 - Fast Track and HEAP data was derived from the CLASS database for Program Years 2004 through 2006.